



## Project Aims

We are Purely Green and we are supporting action against climate change and movement towards affordable, clean energy, more specifically our aim is to provide our school with clean and sustainable energy. Early on in our progress we created four ideas, including wind turbines, an app, solar panels, and a hydro-electric pump. We adjusted our ideas, after failures in certain aspects of the solar panels and wind turbines, and are now developing the two most viable ideas, the hydroelectric pump, and the multi-purpose app.



## *Our Team Roles*

- Emma-finance
- Alice-team leader
- Eliza-design
- Mika-app
- William-app
- Thomas-renewable energy
- Tallulah-advertising

## Our Sustainable Development Goals:



## Our Team's Journey So Far

We have been granted funding from our school for the cost of the materials to build our hydroelectric pump system (£180), this is because the hydro-electric pump will greatly benefit the school. The hydro-electric pump, will be used to power a speedometer in our car park. This speedometer will help to keep our pupils safe, and act as a gentle reminder for parents about safe speeds. It is a sustainable idea due to the process reusing rainwater from drain pipes on our buildings and creating energy. This is something we thought of because in England there is a lot of rain that can be used.



Our second idea is an app capable of calculating the amount of CO2 emissions you produce. You can also use the app for daily ideas on how to help the environment, these daily challenges will reward you with points and points will grow your electronic garden. However, a failure to complete challenges will cause your garden / land to suffer from desertification. This is a great way to motivate people to help our planet daily and learn about what they can do to help.



Our group have experienced; failure in our ideas, working together, improving, negotiating and having fun. Our journey so far has taught us that teamwork is key and that failure is part of the process, we have also explored the ways to make a sustainable and healthy planet. Throughout the project we have gained research skills, the ability to communicate efficiently and different persuasion techniques. We have also learnt valuable things about our planet and how to protect it.

### Impact of Project

When our project has taken affect, our whole school we be affected by the clean energy, it will save the school money and keep our students safe from the dangers of the road. It will also play an important part in educating everyone about how simple and beneficial renewable energy sources are. In the beginning our project will positively change more than 1,200 lives.

### The Future?

Once the school sees how successful our rainwater generator is, it may be possible to upscale this to other areas of our school too. We want to expand and help more lives in the future through further developing and launching our app too. We think it could educate children in a fun and competitive way to take small steps which collectively will result in big changes.

